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FORM PTO-1449 <u>INFORMATION DISCLOSURE STATEMENT</u>	ATTY. DOCKET NO. 0942.285000H	APPLICATION NO. 10/058,292
	APPLICANT Hartley et al.	
	FILING DATE January 30, 2002	GROUP 1636

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
CP	AA1	4,673,640	06/16/1987	Backman, K.C.	435	68	04/30/1984
	AB1	4,743,546	05/10/1998	Backman et al.	435	108	02/13/1985
	AC1	4,959,317	09/25/1990	Sauer B.L.	435	172.3	04/29/1987
	AD1	5,227,288	07/13/1993	Blattner, F.R.	435	6	10/01/1990
	AE1	5,286,632	02/15/1994	Jones	435	91.2	01/09/1991
	AF1	5,354,668	10/11/1994	Auerbach, J.I.	435	91.1	10/15/1993
	AG1	5,434,066	07/18/1995	Bebbe, R.L., et al.	435	172.3	03/15/1994
	AH1	5,470,727	11/28/1995	Mascarenhas et al.	435	172.3	12/21/1993
	AI1	5,527,695	06/18/1996	Hodges et al.	435	172.3	01/29/1993
CP	AJ1	5,591,609	01/07/1997	Auerbach, J.I.	435	91.2	02/03/1995
	AK1	5,614,389	03/25/1997	Auerbach, J.I.	435	91.2	09/26/1995

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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
CP	AL1	EP 0 160 571 A2	11/06/1985	Europe			Yes No
	AM1	EP 0 300 422	01/25/1989	Europe			Yes No
	AN1	WO 91/02801	03/07/1991	WIPO			Yes No
	AO1	WO 91/16427	10/31/1991	WIPO			Yes No
CP	AP1	WO 92/20791	11/26/1992	WIPO			Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

CP	AR	1	Abremski, K., and Gottesman, S., "Purification of the Bacteriophage λ xis Gene Product Required for λ Excisive Recombination," <i>J. Biol. Chem.</i> 257(16):9658-9662, American Society for Biochemistry and Molecular Biology, Inc. (1982).
CP	AS	1	Abremski, K., and Hoess, R., "Bacteriophage P1 Site-specific Recombination - Purification and Properties of the Cre Recombinase Protein," <i>J. Biol. Chem.</i> 259:1509-1514, American Society for Biochemistry and Molecular Biology, Inc. (1984).
CP	AT	1	Abremski, K., et al., "Bacteriophage P1 Cre-loxP Site-specific Recombination. Site-specific DNA Topoisomerase Activity of the Cre Recombination Protein," <i>J. Biol. Chem.</i> 261(1):391-396, American Society for Biochemistry and Molecular Biology, Inc. (1986).

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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
<i>CP</i>	AA2	5,635,381	06/03/1997	Hooykaas et al.	435	172.3	01/20/1995
	AB2	5,650,308	07/22/1997	Baum	435	172.3	06/07/1995
	AC2	5,658,772	08/19/1997	Odell et al.	435	172.3	07/27/1994
	AD2	5,677,170	10/14/1997	Devine et al.	435	20.1	03/02/1994
	AE2	5,677,177	10/14/1997	Wahl et al.	435	325	06/07/1995
	AF2	5,710,248	01/20/1998	Grose, C.F.	530	327	07/29/1996
	AG2	5,723,765	03/03/1998	Oliver et al.	800	208	06/07/1995
	AH2	5,733,733	03/31/1998	Auerbach, J.I.	435	6	02/01/1996
	AI2	5,733,743	03/31/1998	Johnson et al.	435	320.1	06/10/1996
	AJ2	5,744,336	04/28/1998	Hodges et al.	435	172.3	03/08/1996
<i>CP</i>	AK2	5,766,891	06/16/1998	Shuman, S.	435	91.41	12/19/1994

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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION
<i>CP</i>	AL2	WO 93/15191	08/05/1993	WIPO			Yes No
	AM2	WO 93/19172	09/30/1993	WIPO			Yes No
	AN2	CA 2,141,412	02/17/1994	Canada			Yes No
	AO2	WO 94/09127	04/28/1994	WIPO			Yes No
<i>CP</i>	AP2	WO 94/17176	08/04/1994	WIPO			Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

<i>CP</i>	AR	2	Abremski, K., et al., "Studies on the Properties of P1 Site-Specific Recombination: Evidence for Topologically Unlinked Products Following Recombination," Cell 32:1301-1311, Cell Press (1993).
<i>CP</i>	AS	2	Adams, D.E., et al., "Cre-lox Recombination in Escherichia coli Cells: Mechanistic Differences from the in Vitro Reaction," J. Mol. Biol. 226:661-673, Academic Press, Inc. (1992).
<i>CP</i>	AT	2	Albert, H., et al., "Site-specific integration of DNA into wild-type and mutant lox sites placed in the plant genome," Plant J. 7:649-659 Oxford Bios Scientific Publishers And Blackwell Scientific Publications In Association With The Society For Experimental Biology (April 1995).
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<i>JP</i>	AA3	5,776,449	07/07/1998	Baum et al.	424	93.2	09/20/1996
	AB3	5,830,707	11/03/1998	Bushman, F.D.	435	69.7	06/05/1995
	AC3	5,837,242	11/17/1998	Holliger et al.	424	135.1	05/14/1996
	AD3	5,843,772	12/01/1998	Devine, S.E., et al.	435	69.1	11/18/1994
	AE3	5,851,808	12/22/1998	Elledge et al.	435	172.3	02/28/1997
	AF3	5,858,657	01/12/1999	Winter et al.	435	6	06/07/1995
	AG3	5,871,907	02/16/1999	Winter et al.	435	6	03/31/1994
	AH3	5,874,259	02/23/1999	Szybalski, W.	435	91.1	11/21/1997
	AI3	5,888,732	03/30/1999	Hartley et al.	435	6	06/07/1996
	AJ3	5,916,804	06/29/1999	Bushman, F.D.	435	325	04/17/1998
<i>JP</i>	AK3	5,919,676	07/06/1999	Graham et al.	435	172.3	06/07/1995

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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION
<i>JP</i>	AL3	WO 95/00555	01/05/1995	WIPO			Yes No
	AM3	WO 97/06265	02/20/1997	WIPO			Yes No
	AN3	WO 97/09436	03/13/1997	WIPO			Yes No
	AO3	WO 97/25446	07/17/1997	WIPO			Yes No
<i>JP</i>	AP3	WO 97/32481	09/12/1997	WIPO			Yes No





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<i>JP</i>	AR	3	Andrews, B.J., et al., "The FLP Recombinase of the 2 μ Circle DNA of Yeast: Interaction with Its Target Sequences," Cell 40:795-803, Cell Press, Cambridge, MA (1985).
<i>JP</i>	AS	3	Andrews, B.J., et al., "Interaction of the FLP Recombinase of the <i>Saccharomyces cerevisiae</i> 2 μ m Plasmid with Mutated Target Sequences," Mol. Cell. Biol. 6:2482-2489, American Society for Microbiology, Washington, D.C. (1986).
<i>JP</i>	AT	2	Anton, M., and Graham, F.L., "Site-Specific Recombination Mediated by an Adenovirus Vector Expressing the Cre Recombinase Protein: a Molecular Switch for Control of Gene Expression," J. Virol. 69:4600-4606, American Society for Microbiology, Washington, D.C. (August 1995).



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	AA4	5,928,914	07/27/1999	Leboulch et al.	435	172.3	11/05/1996
	AB4	5,989,872	11/22/1999	Luo et al.	435	91.2	08/12/1997
	AC4	6,010,884	01/04/2000	Griffiths et al.	435	69.7	05/29/1996
	AD4	6,040,430	03/21/2000	Stewart	530	358	12/26/1995
	AE4	6,063,627	06/16/2000	McVey et al.	435	440	02/25/1998
	AF4	6,143,557 B1	11/07/2000	Hartley et al.	435	320.1	01/20/1999
	AG4	6,171,861 B1	01/09/2001	Hartley et al.	435	455	01/12/1998
	AH4	6,225,121 B1	05/01/2001	Savakis et al.	435	455	04/27/1998
	AI4	6,270,969 B1	08/07/2001	Hartley et al.	435	6	01/20/1999
	AJ4	6,277,608 B1	08/21/2001	Hartley et al.	435	91.4	04/22/1999
	AK4	2002/0007051 A1	01/17/2002	Cheo et al.	536	23.1	12/11/2000

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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION
	AL4	WO 98/10086	03/12/1998	WIPO			Yes No
	AM4	WO 98/53056	11/26/1998	WIPO			Yes X No
	AN4	WO 99/10488	03/04/1999	WIPO			Yes No
	AO4	WO 99/21977	05/06/1999	WIPO			Yes No
	AP4	WO 99/25851	05/27/1999	WIPO			Yes X No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	4	Araki, H., et al., "Site-specific Recombinase, R, Encoded by Yeast Plasmid pSR1," J. Mol. Biol. 225:25-37, Academic Press, Inc., New York, NY (1992).
	AS	4	Argos, P., et al., "The integrase family of site-specific recombinases: regional similarities and global diversity," EMBO J. 5(2):433-440, IRL Press Limited, Oxford (1986).
	AT	4	Astumian, J.H. et al., "Site-specific recombination between cloned attP and attB sites from the Haemophilus influenza bacteriophage HP1 propagated in recombination deficient Escherichia coli," J. Bacteriol. 171:1747-1750, American Society for Microbiology (1989).

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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION
	AL5	WO 00/12687	03/09/2000	WIPO	1	1	Yes No
	AM5	EP 1 035 208	09/13/2000	Europe	1	1	Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	5	Atlung, T., et al., "A versatile method for integration of genes and gene fusions into the λ attachment site of <i>Escherichia coli</i> ," <i>Gene</i> 107:11-17, Elsevier (1991).
	AS	5	Ausubel, F.M., et al., "Maps of Plasmids pBR322 and pUC19," in <i>Current Protocols in Molecular Biology</i> , John Wiley & Sons, Inc. (April 1994).
	AT	5	Ausubel, F.M., et al., "Mutagenesis by the Polymerase Chain reaction," in: <i>Current Protocols in Molecular Biology</i> , John Wiley & Sons, Inc. pp. 8.5.1-8.5.9 (1991).

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	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	6	Babineau, D. et al., "The FLP Protein of the 2-micron Plasmid of Yeast," J. Biol. Chem. 260:12313-12391, American Society for Biochemistry and Molecular Biology, Inc. (1985).
	AS	6	Balakrishnan, R., et al., "A gene cassette for adapting Escherichia coli strains as hosts for att-Int-mediated rearrangement and p _L expression vectors," Gene 138:101-104, Elsevier (January 1994).
	AT	6	Bayley, C.C., et al., "Exchange of gene activity in transgenic plants catalyzed by the Cre-lox site specific recombination system," Plant Mol. Biol. 18:353-361, Dordrecht Kluwer Academic (1992).

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	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	2	Bernard, P., and Couturier, M., "Cell Killing by the F plasmid CcdB Protein Involves Poisoning of DNA-topoisomerase II Complexes," J. Mol. Biol. 226:735-745, Academic Press, Inc. (1992).
	AS	2	Bernard, P., et al., "Positive Selection vectors using the F plasmid ccdB killer gene," Gene 148:71-74, Elsevier Science Publishers B.V. (October 1994).
	AT	2	Bethke, B., and Sauer, B., "Segmental genomic replacement by Cre-mediated recombination: genotoxic stress activation of the p53 promoter in single-copy transformants," Nucl. Acids Res. 25:2828-2834, Oxford University Press (July 1997).

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	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	8	Betz, U.A.K., et al., "Bypass of lethality with mosaic mice generated by Cre-loxP-mediated recombination," Curr. Biol. 6:1307-1316, Current Biology Ltd. (October 1996).
	AS	8	Bhandari, P. and Gowrishankar, J., "An Escherichia coli Host Strain Useful for Efficient Overproduction of Cloned Gene Products with NaCl as the Inducer," J. Bacteriol. 179:4403-4406, American Society for Microbiology (July 1997).
	AT	8	Black, L.W., "In vitro packaging into phage T4 particles and specific recircularization of phage lambda DNAs," Gene 46:97-101, Elsevier (1986).

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	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	2	Bloch, C.A., et al., "Purification of Escherichia coli Chromosomal Segments without Cloning," <i>Biochem. Biophys. Res. Comm.</i> 223:104-111, Academic Press, Inc. (June 1996).
	AS	2	Bochner, B. R., et al., "Positive Selection for Loss of Tetracycline Resistance," <i>J. Bacteriol.</i> 143:926-933, American Society for Microbiology (1980).
	AT	2	Boyd, A. C., "Turbo cloning: a fast, efficient method for cloning PCR products and other blunt-ended DNA fragments into plasmids," <i>Nucl. Acids Res.</i> 21(4):817-821, Oxford University Press (1993).

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	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	<u>10</u>	Broach, J. R., et al., "Recombination within the Yeast Plasmid 2 μ Circle is Site-Specific," Cell 29:227-234, Cell Press (1982).
	AS	<u>10</u>	Brunelli, J. P. and Pall, M. L., "A Series of Yeast/ <i>Escherichia coli</i> λ Expression Vectors Designed for Directional Cloning of cDNAs and <i>cre/lox</i> -Mediated Plasmid Excision," Yeast 9:1309-1318, John Wiley (1993).
	AT	<u>10</u>	Brunelli, J.P., and Pall, M.L., "Lambda/Plasmid Vector Construction by <i>In Vivo cre/lox</i> -Mediated Recombination," BioTechniques 16(6):1061-1064, Eaton Publishing Company (June 1994).

EXAMINER <i>William S. Hall</i>	DATE CONSIDERED <i>7/14/02</i>
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	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	11	Bubeck, P., et al., "Rapid cloning by homologous recombination in vivo," Nucl. Acids Res. 21:3601-3602, Oxford University Press (1993).
	AS	11	Buchholz, F., et al., "A simple assay to determine the functionality of Cre or FLP recombination targets in genomic manipulation constructs," Nucl. Acids Res. 24(15):3118-3119, Oxford University Press (August 1996).
	AT	11	Buchholz, F., et al., "Different thermostabilities of FLP and Cre recombinases: implications for applied site-specific recombination," Nucl. Acids Res. 24(21):4256-4262, Oxford University Press (November 1996).

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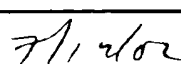
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	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
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	AR	<u>12</u>	Bushman, W., et al., "Control of Directionality in Lambda Site Specific Recombination," <i>Science</i> 230:906-911, Association for the Advancement of Science (1985).
	AS	<u>12</u>	Campbell, A. M., "Chromosomal Insertion Sites for Phages and Plasmids," <i>J. Bacteriol.</i> 174(23):7495-7499, American Society for Microbiology (1992).
	AT	<u>12</u>	Chapin, S.J., et al., "Differential expression of alternatively spliced forms of MAP4: a repertoire of structurally different microtubule-binding domains," <i>Biochem.</i> 34:2289-2301, American Chemical Society, Washington D.C. (February 1995).
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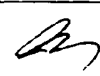
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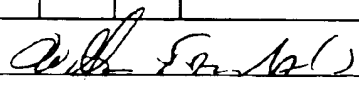
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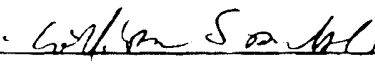
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	AL						Yes No
	AM						Yes No
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EXAMINER	William SP 4/1	DATE CONSIDERED	2/4/02
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 COMMUNICATIONS SECTION
 APPLICATION

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<table border="1"> <tr> <td>EXAMINER</td> <td><i>William S. Sack</i></td> <td>DATE CONSIDERED</td> <td>7/14/02</td> </tr> </table>				EXAMINER	<i>William S. Sack</i>	DATE CONSIDERED	7/14/02
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CAPTION:

TITLE:

SUBJECT:

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	AM						Yes No
	AN						Yes No
	AO						Yes No
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
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	AL						Yes No
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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION
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	AM						Yes No
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	AR	<u>44</u>	Palazzolo, M. J., et al., "Phage lambda cDNA cloning vectors for subtractive hybridization, fusion-protein synthesis and Cre-loxP automatic plasmid subcloning," <i>Gene</i> 88:25-36, Elsevier (1990).
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W.M. Smith

DATE CONSIDERED

7/14/02

FORM PTO-1449

INFORMATION DISCLOSURE STATEMENTATTY. DOCKET NO.
0942.285000HAPPLICATION NO.
10/058,292APPLICANT
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	AR	<u>45</u>	Peakman, T. C., et al., "Highly efficient generation of recombinant baculoviruses by enzymatically mediated site-specific in vitro recombination," Nucl. Acids Res. 20:495-500, Oxford University Press (1992).
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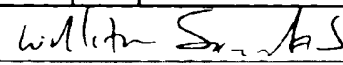
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	AT	46	Pósfai, G., et al., "In vivo excision and amplification of large segments of the Escherichia coli genome," Nucl. Acids Res. 22(12):2392-2398, Oxford University Press (June 1994).
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	AR	47	Prasad, P. V., et al., "Substrate Recognition by the 2 μ m Circle Site-Specific Recombinase: Effect of Mutations within the Symmetry Elements of the Minimal Substrate," Mol. Cell. Biol. 6:4329-4334, American Society for Microbiology (1986).
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	AR	<u>49</u>	Sadowski, P., "Site-Specific Recombinases: Changing Partners and Doing the Twist," J. Bacteriol. 165(2):341-347, American Society for Microbiology (1986).				
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ATTY. DOCKET NO.
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	AR	50	Sauer, B., "Functional Expression of the cre-lox Site-Specific Recombination System in the Yeast <i>Saccharomyces cerevisiae</i> ," Mol. Cell. Biol. 7:2087-2096, American Society for Microbiology (1987).
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Conformance with MPEP 609. Draw

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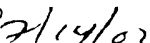
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FORM PTO-1449 INFORMATION DISCLOSURE STATEMENT	ATTY. DOCKET NO. 0942.285000H	APPLICATION NO. 10/058,292
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	APPLICANT Hartley et al.	
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	AP						Yes No




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EXAMINER		DATE CONSIDERED	
W.H.P. Smith		7/14/02	

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OTHER (Including Author, Title, Date, Pertinent Pages, etc.)							
	AR	55	Sizemore, C., et al., "Quantitative analysis of Tn10 Tet repressor binding to a complete set of tet operator mutants," Nucl. Acids Res. 18(10):2875-2880, Oxford University Press (1990).				
	AS	55	Smith, A. J. H., et al., "A site-directed chromosomal translocation induced in embryonic stem cells by Cre-loxP recombination," Nat. Gen. 9:376-385, Nature Publishing Co. (April 1995).				
	AT	55	Snaith, M.R., et al., "Multiple cloning sites carrying loxP and FRT recognition sites for the Cre and Flp site-specific recombinases," Gene 166:173-174, Elsevier (December 1995).				

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	AR	56	Spengler, S.J., et al., "The Stereostructure of Knots and Catenanes Produced by Phage λ Integrative Recombination: Implications for Mechanism and DNA Structure," Cell 42:325-334, Cell Press (1985).				
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
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
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
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	AN						Yes No
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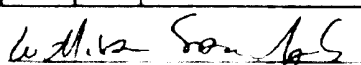
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